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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/004,892	12/07/2001	Michiaki Matsushita	217028US3	7559
22850	7590 02/03/2004		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			CHACKO DAVIS, DABORAH	
	40 DUKE STREET LEXANDRIA, VA 22314		ART UNIT	PAPER NUMBER
ALEXANDRI	IA, VA 22514		1756	
			1756	

DATE MAILED: 02/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Antique Commence	10/004,892 MATSUSHITA ET AL.				
Office Action Summary	Examiner	Art Unit			
The MAILING DATE of this communication and	Daborah Chacko-Davis	1756			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the C	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period was a failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be tir within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed vs will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on 24 O	<u>ctober 2003</u> .				
2a) This action is FINAL . 2b) ⊠ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) <u>1-22</u> is/are pending in the application. 4a) Of the above claim(s) <u>18-22</u> is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) <u>1-17</u> is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	n from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. §§ 119 and 120					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domestic since a specific reference was included in the first 37 CFR 1.78. a) ☐ The translation of the foreign language pro 14) Acknowledgment is made of a claim for domestic reference was included in the first sentence of the	s have been received. Is have been received in Application of the certified copies not received priority under 35 U.S.C. § 1190 at sentence of the specification of the certified copies not received priority under 35 U.S.C. § 120 at sentence of the specification of the certification of the specification at the specification of the specification at the specification	ion No ed in this National Stage ed. e) (to a provisional application) r in an Application Data Sheet. ceived. and/or 121 since a specific			
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 03 	5) Notice of Informal F	(PTO-413) Paper No(s) Patent Application (PTO-152)			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Group I, claims 1-17, in the Response filed on October 24, 2003 is acknowledged. The traversal is on the ground(s) that the claims of the present invention appear to be part of an overlapping search area, and that a search and examination of the entire application would not place a serious burden on the Examiner. This is not found persuasive because the apparatus as claimed can be used to practice another and materially different process such as a photoCVD process.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-3, are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Application Publication No. 2002/0025375 (Takamori et al).

Takamori, in [0058], [0059], [0060], [0061], [0062], [0063], [0064], and [0065], and in figures 1, 2, 3, 7, 13, discloses a coating and developing apparatus comprising a loader section (reference 2) that has at least one cassette station (carrier, reference 10)

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that has a plurality of substrates (processed, and unprocessed, by loading and unloading, steps S1, and S14), a processing unit (reference 24) for applying resist on a surface of a substrate, a developing processing unit (reference 18), an interface section (reference 7) for transferring the substrate to the light-exposure apparatus (reference 6), a baking processing unit (reference 20) that adjusts the temperature of the substrate prior to exposing, and transfer mechanisms (first and second) to transfer the substrate among the different processors such as the coating section, baking section, the exposing section, and the developing unit (claims 1, 7, and 10). Takamori, in [0133], [0134], [0135], [0136], [0137], and figure 13, discloses transferring the resist coated substrate to a peripheral exposing unit (reference 31) using the transfer arm mechanism (reference 332) (claims 2, and 9). Takamori, in [0061], and in [0063], discloses that the transfer means transfer the substrate to baking unit prior to transfer to the peripheral resist removing unit (claim 3). Takamori, in [0065], [0074], [0075], [0137], [0138], [0139], [0140], and [0142], and figure 3, discloses a section in the coating unit that includes a temperature controlling unit that controls the temperature of the substrate (reference H1) to be coated with the resist, controlling the temperature to which the resist coated is heated, after which the resist coated substrate is transferred to the peripheral resist removing section in which the peripheral portion of the resist (exposed portion outside the circuit element forming area) is removed (claims 4, 8, 11). Takamori, in [0058], [0059], and in figure 1, discloses that the processing units are stacked in a shelf section (claim 12). Takamori, in [0059], [0060], [0061], [0062], and in figures 1, and 2, discloses that the first transfer arm and the second transfer arm have a

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back and forth driving mechanism and are aligned in a straight line such that the first transfer arm (reference 15) face the second transfer arm (reference 22) at the first interface section (interposed shelf section) wherein the transfer arms play a role in loading/unloading the substrates among the processing units and the interface sections (claim 13). Takamori, in [0060], in [0063], discloses that the first transfer arm and the second transfer arm have a back and forth driving mechanism wherein the arms are moveable in the X-axis, Y-axis and Z-axis direction and also possess a θ -rotation driving mechanism (rotatable about a vertical axis) (claims 14-15).

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 4-6, are rejected under 35 U.S.C. 103(a) as being unpatentable over U.s. Patent Application Publication No. 2002/0025375 (Takamori et al) in view of U.S. Patent No. 5,939,130 (Shiraishi et al).

Takamori is discussed in paragraph no. 3.

The difference between the claims and Takamori is that Takamori does not disclose that the interface section includes a clean-air filter unit wherein the air that is passed through the clean-air filter is flown down into the interface section (claims 5, and 16). Takamori does not disclose that the interface section includes an electrical unit

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that houses an electrical facility, such that the sir passed through the clean-air filter is flown down into a space for the electrical unit in the interface section (claims 6, and 17).

Shiraishi, in col 6, lines 4-24, discloses that clean air is supplied into the processing unit through a filter wherein the processing unit houses power supply units.

Therefore, it would be obvious to a skilled artisan to modify Takamori by employing the air-filter suggested by Shiraishi because Shiraishi, in col 7, lines 9-22, discloses that the downflow of the clean filtered air supplied into the processing chamber is used to adjust the temperature and humidity of the chamber atmosphere so as to have a temperature and humidity which are optimum for the resist coating process.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daborah Chacko-Davis whose telephone number is (571) 272-1380. The examiner can normally be reached on M-F 9:30 - 6:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark F Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2693.

dcd

January 26, 2004.

Vicence 1 (1) 1 1/00